

Opportunities with regional, sustainable glass recycling in Missouri



GIVE GLASS A SECOND CHANCE

why recycle glass

- container glass is:
 - 100% recyclable
 - can be recycled endlessly
 - is a primary ingredient in fiberglass insulation and in new glass containers
 - round out existing recycling program



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environmental impacts in kc

each year (pre-2010):



10 million empty Boulevard bottles find their way into the local waste stream

80,000 tons of glass containers end up in metro-area landfills

150,000 tons of glass cullet shipped to Owens Corning & CertainTeed



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source: Boulevard Brewing Company, MARC SWMD

environmental impacts 1st year

in 2010 (w/Ripple):

32 million bottles avoid local landfill

1,700 tons less CO₂ produced

16 million kWh energy saved (1500 homes)

300,000 miles saved on trucking

11,250 tons less sand, soda ash,
limestone, feldspar



source: Boulevard Brewing Company, MARC SWMD

enter ripple glass

Kansas City's first truly **local** glass recycling company

collection



processing



manufacturing

the ripple glass plant

Key Achievables

- ❖ processing capacity – 15 tons/hr (60,000 bottles)
- ❖ 90 metro area collection sites with “purple” bins
- ❖ designed to produce 3-mix, furnace ready, fine cullet
- ❖ plate glass & industrial waste processing
- ❖ amber separated for bottles
- ❖ created 7 new “green” jobs, so far



ripple glass regional program

- ❖ community receives glass from consumers
- ❖ consolidate and stockpile collected glass in bunker
- ❖ notify ripple glass when truckload amount ready (25 tons)
- ❖ load truck
- ❖ receive monthly summary



ripple glass regional program

- ❖ complete the cycle – receive fiberglass insulation donation for your Habitat or Weatherization programs
- ❖ receive education & awareness support
- ❖ bar and restaurant promotion material
- ❖ Community can leverage “brand” strength
- ❖ purple = glass recyclin~



Ripple Glass is teaming up with cities and solid waste districts throughout Missouri to collect and recycle glass.



Specifically, glass recycling can:

- Reduce the amount of waste disposed of
- Save costs associated with the collection, transfer and landfilling of glass
- Lengthen the life of local and regional landfills
- Give citizens a much-desired opportunity to recycle glass food and beverage containers
- Strengthen our regional economy



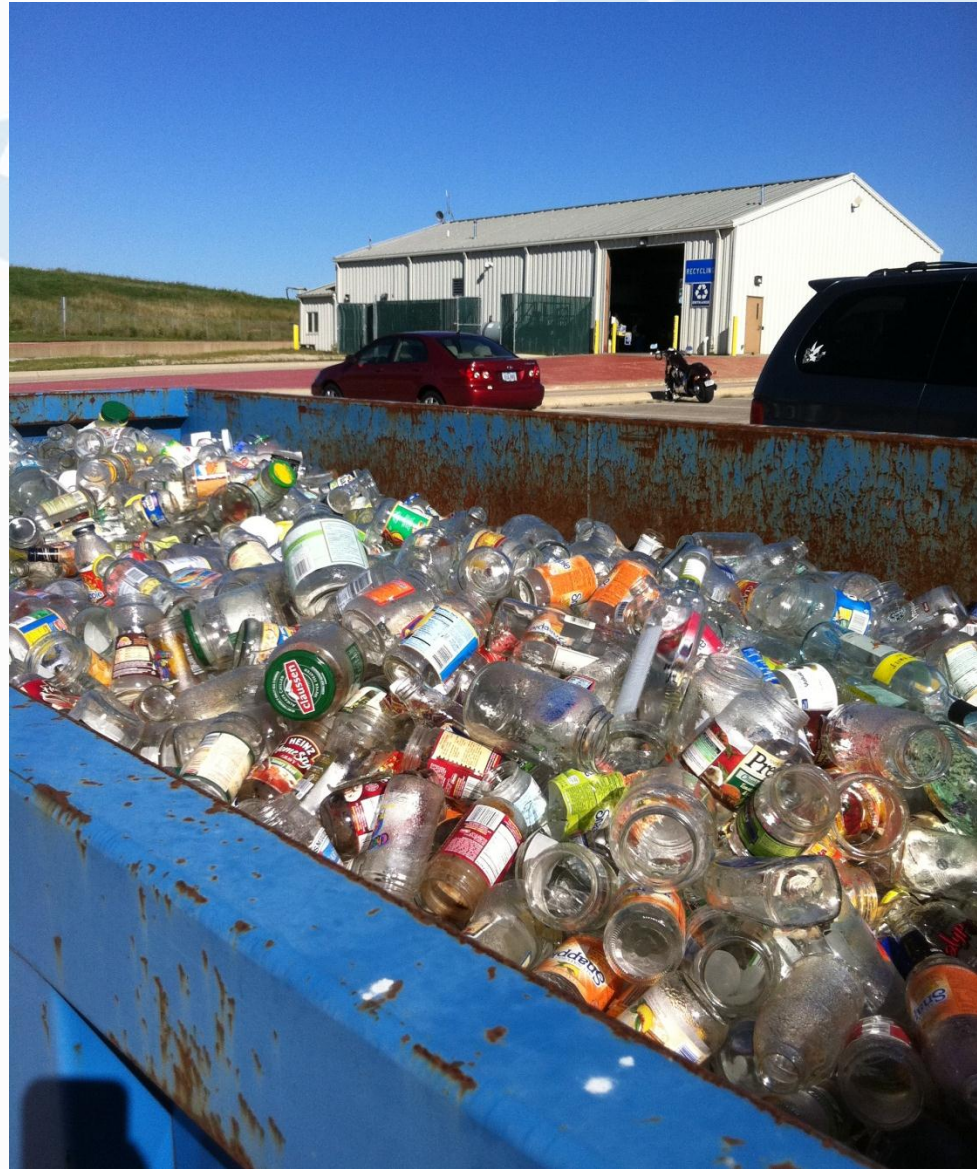
Commercial Opportunities

- Reduced trash generation and avoided trash fees
- Stickers for Slim Jim
- Certified glass recycler decal



To participate:

- Collect glass from residents and businesses at drop-off centers – no color sorting necessary
- Consolidate 25 tons of glass in bunkers of gaylords
- Load truck provided by Ripple Glass



Recommended bunker:

- 20' wide x 24' deep x 8' tall (total volume 4,000 cubic feet).
- Uses about 68 blocks,
- Concrete blocks cost about \$2,500





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become a part of the solution

in your community

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